



ISS/STS Ground Status @ KSC

Paul Kirkpatrick
NASA/KSC Safety
Ground Safety Review Panel

10/27/2009

ULF-2 LMC

20A NODE 3

ULF-5 ELC 4

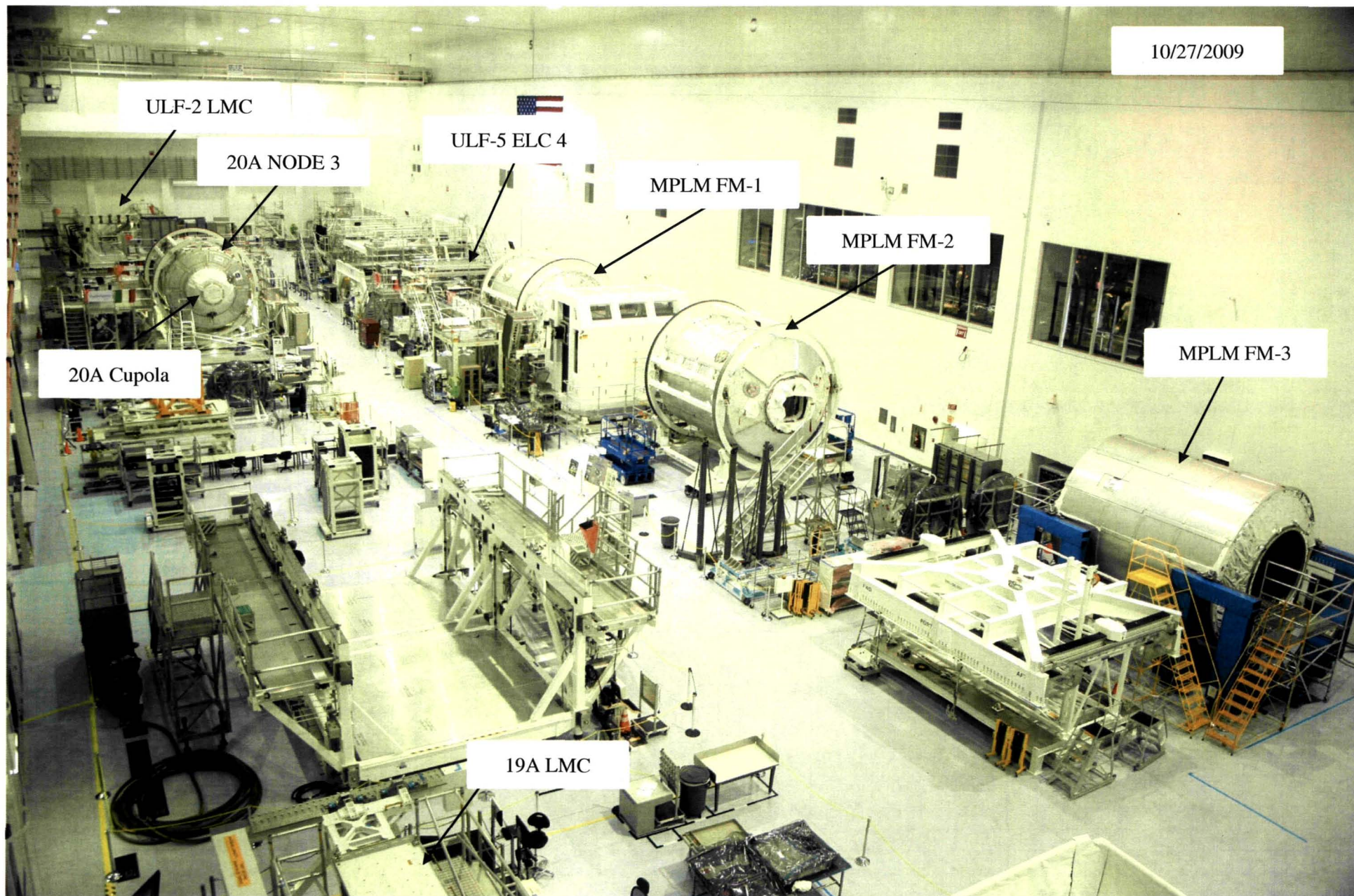
MPLM FM-1

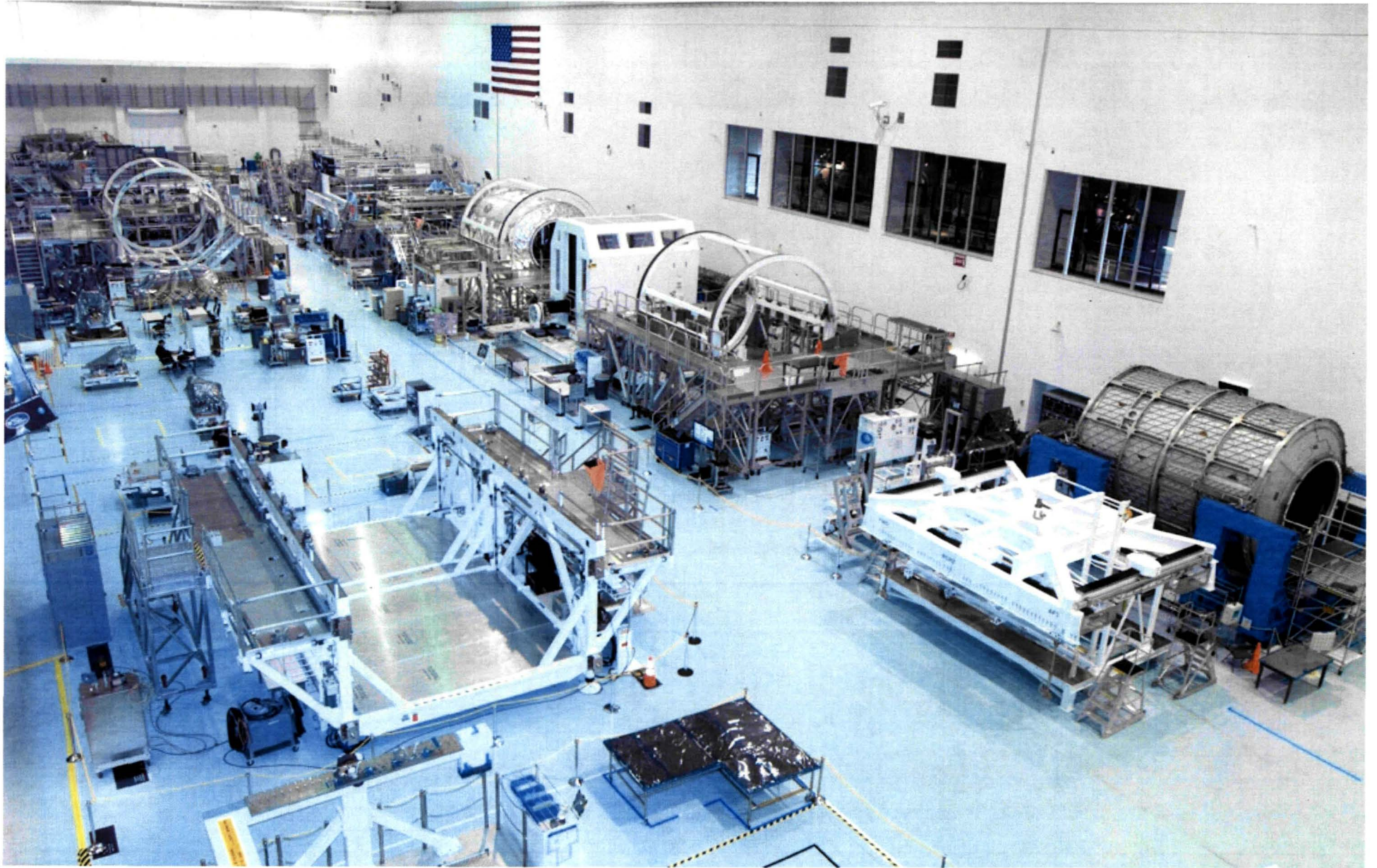
MPLM FM-2

20A Cupola

MPLM FM-3

19A LMC





As of 3/25/10



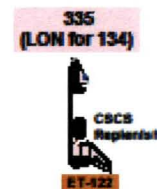
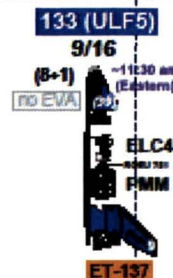
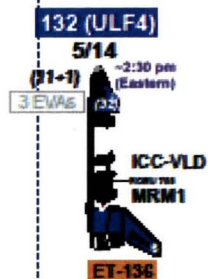
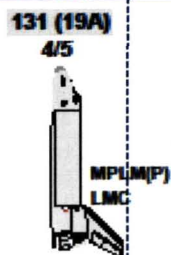
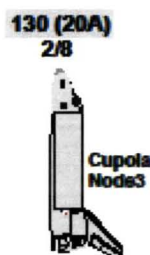
Space Shuttle Program (SSP) Manifest

NASA Official: John Oggerhall
USA Project Lead: Gannon K. Gilman
Chart updated: 27-Apr-2010

103
Discovery
128 (17A)
8/28/09
MPLM (P)
LMC

104
Atlantis
129 (ULF3)
11/16/09
ELC1
ELC2













105
Endeavour
127 (2J/A)
7/15/09
JEM EF
ELM-ES
ICC-VLD



Flight Rate:
Launch Rate: 13 per year

Delta Exceedance



				FY-2010																																																						
				Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr																																								
Beta Exceedance				13 β 28					13 β 24					7 β 23																																												
																																																										
28				15 28					31					30					27 32					30 10					27					20					27					30					27									

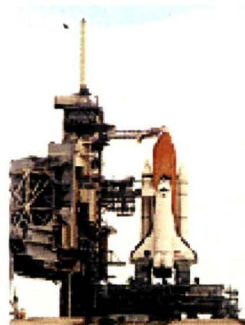
KSC Flight Hardware Quicklook/STS Mainline Facilities

NASA: C. Ford, PH-O
USA: R. Gillette, MFM
Contact: S. Wierszalowski, USA 1-8701
APR 22, 2010

Launch Pad 39-B



Launch Pad 39-A



STS-132 OV-104
Launch 5-14-10
MLP 2



Refurb/Parksite (East)
MLP-1

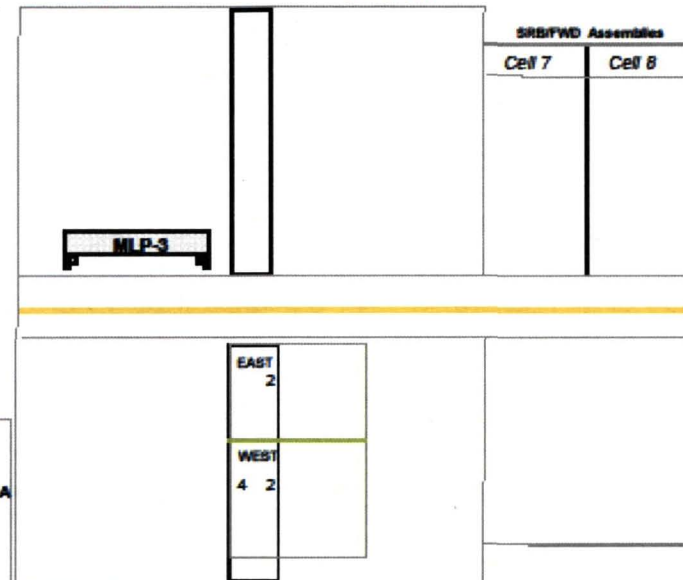


Refurb/Parksite (West)
New MLP

VEHICLE ASSEMBLY BUILDING

High-Bay 3

High-Bay 1



Crawler Transporter Maintenance Bldg.

CT#1

PAD A GATE

CT#2



JAY JAY SIDING

LMF



SUSPECT SIDING



Legend

STS-132/OV-104 FH HW
ET-132/ MLP-2 / VAB HB-1 / PAD A
RRRM 111-SRB BI-143

STS-134/OV-105 FH HW
ET-137 / MLP-3 / VAB HB-3 / PAD A
RRRM 112-SRB BI-144

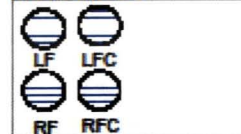
STS-133/OV-103 FH HW
ET-138/ MLP-2 / VAB HB-1 / PAD A
RRRM 113-SRB BI-145

Railcars

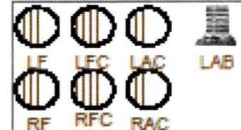
STS Assignments

OV-103/STS-131: Discovery - OPF-3
OV-104/STS-132: Atlantis - OPF-1
OV-105/STS-134: Endeavor - OPF-2

RPSF SURGE 1

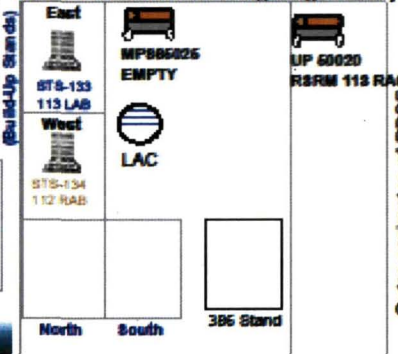


RPSF SURGE 2



MDD / SLF

RPSF Rotation/Processing Surge Facility



(Inspection Stands)

ORBITER PROCESSING FACILITIES

OPF R/I 5/26/10:

OV 104/ STS 132

Bay 1

Bay 2

OPF R/O: 6/17/10

OV 105/ STS 134

OPF R/I: 8/9/10

OV-103 / STS-133

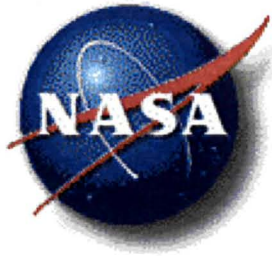
Bay 3

HMF

OV ASSIGNMENT/LOCATION

103	RP03	LP01	FRC3
104	RP01	LP04	FRC4
105	RP04	LP03	FRC5

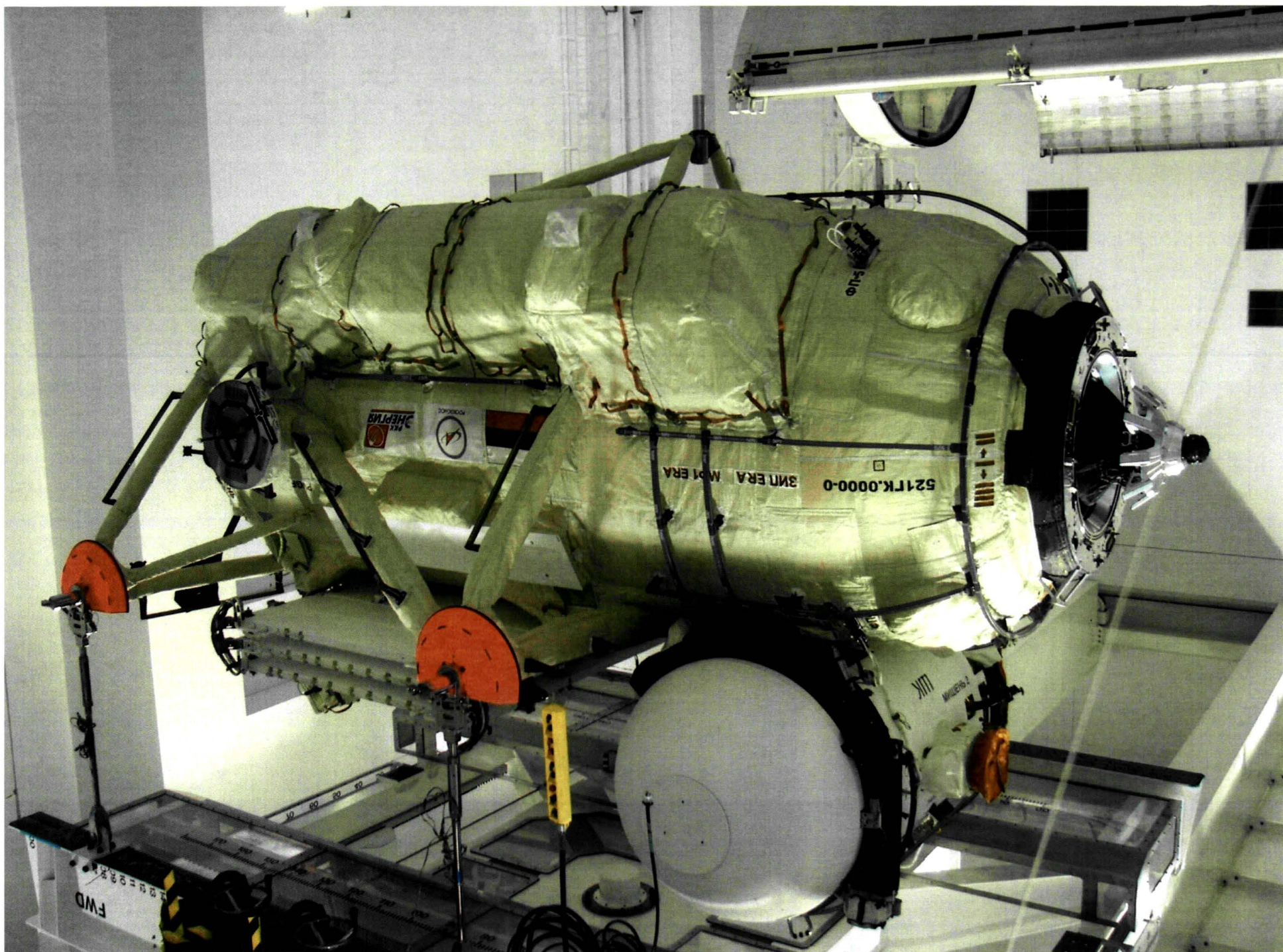
Test Cell Installed Storage/E



Space Shuttle Status



- Atlantis (OV-104)
 - Location – LC-39A/On-Orbit
 - STS-132/ULF4 (MRM)
 - Nominal Landing – Wednesday, 5/26/10
 - Last Mission – STS-129/ULF3
 - Next Mission – Rescue for STS-134/Museum





Space Shuttle Status



- Discovery (OV-103)
 - Location – OPF Bay 3
 - Last Mission – STS-131/19A
 - Next Mission – STS-133/ULF5 (PMM)
 - Rescue for STS-132
 - Scheduled Launch Date – 9/16/10
- Endeavor (OV-105)
 - Location – OPF Bay 2
 - Last Mission – STS-130/20A (Node3/Cupola)
 - Next Mission – STS-134/ULF6 (AMS)
 - Rescue for STS-133
 - Scheduled Launch Date – November 2010



KSC Future Status